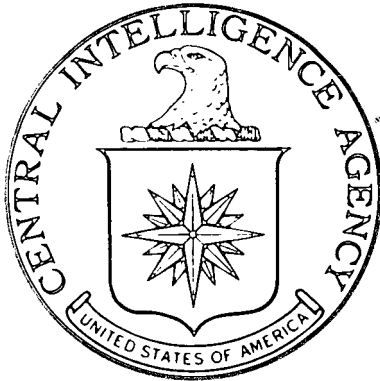


TOP SECRET



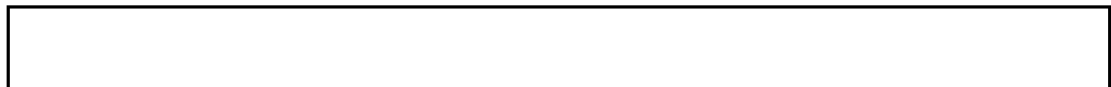
IMAGERY
ANALYSIS
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

GORKIY AIRFRAME PLANT

ORDZHONIKIDZE NO 21, GORKIY, USSR



25X1

Declass Review by NIMA/DOD

CIA/PIR -75040

25X1

DATE NOVEMBER 1966

COPY

PAGES

7

GROUP 1
Excluded from automatic
downgrading and declassification

TOP SECRET

25X1

Approved For Release 2003/03/04 : CIA-RDP78T05161A001200010024-0

Approved For Release 2003/03/04 : CIA-RDP78T05161A001200010024-0

25X1

25X1

GORKIY AIRFRAME PLANT ORDZHONIKIDZE NO 21 **GORKIY, USSR, JUNE 1966**

Gorkiy Airframe Plant Ordzhonikidze No 21 is located approximately 4 nautical miles (nm) west of the confluence of the Oka and Volga Rivers in the Sormov district of Gorkiy, USSR, at 56-19-45N 43-51-50E (Figure 1). The plant is 1 nm east of Gorkiy/Sormov Airfield which serves as the flyaway field. A wall measuring approximately 20,300 linear feet secures the plant, which contains approximately 7,350 linear feet of rail lines and approximately 15,050 linear feet of major roads.

Construction at the plant has followed a rectangular pattern during the past 24 years (Figures 2 through 4), and a considerable area of open

space remains for further expansion; the terrain at the plant site is relatively level. In the plant contained 73 buildings with a total floorspace of approximately 2,959,655 square feet and a combined volume of approximately Item numbers in the following chronological description are keyed to Table 1 and the drawing of the plant layout (Figure 4).

German World War II photography Figure 2) revealed a total floorspace of

construction changes increased the

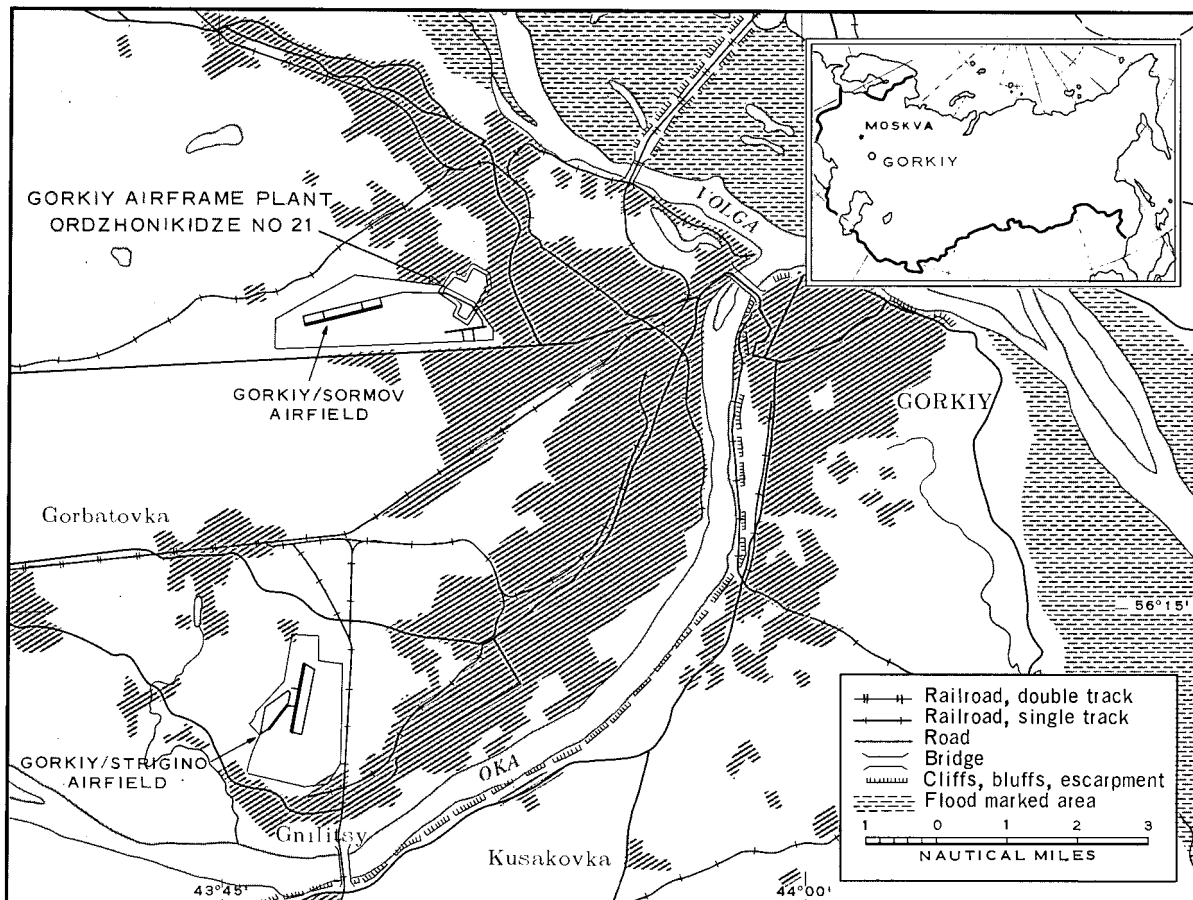


FIGURE 1. LOCATION MAP.

L-5904 (10/66)

X1

Approved For Release 2009/03/04 : CIA-RDP78T05161A001200010024-0

TOP SECRET

CIA/PIR-75040

25X1



FIGURE 2. GORKIY AIRFRAME PLANT ORDZHONIKIDZE NO 21, GORKIY, USSR,

25X1

- 2 -

Approved For Release 2009/03/04 : CIA-RDP78T05161A001200010024-0

TOP SECRET

25X1

25X1

TOP SECRET

CIA/PIR-75040

25X1



FIGURE 3. AIRFRAME PLANT NO 21,

25X1

- 3 -

TOP SECRET

25X1

TOP SECRET

CIA/PIR-75040

25X1

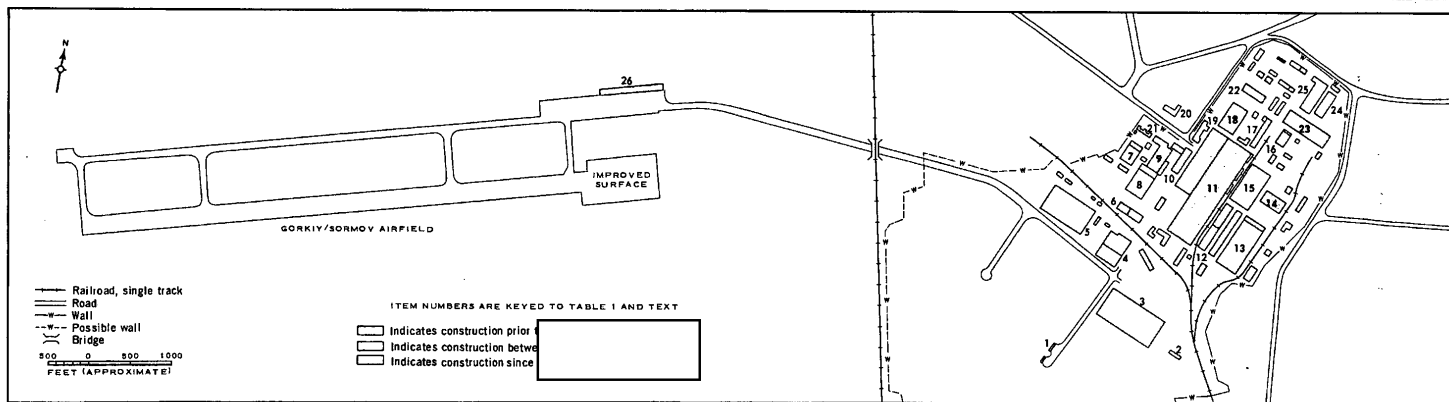


FIGURE 4. AIRFRAME PLANT NO 21 AND GORKIY/SORMOV AIRFIELD.

TOP SECRET

25X1

25X1

25X1

25X1
25X1

25X1

25X1

Table 1. Structures at Airframe Plant No 21

(Item numbers appear on Figure 4)

Item	Description	Dimensions (ft) (see note)			Floorspace (sq ft)	Cubic Feet
		L	W	H		
1	Hangar					174,420
2	Boilerhouse				7,680	230,400
3	Subassembly bldg/machine shop				255,255	9,128,405
4	Workshop				108,420	4,948,320
5	Subassembly bldg/machine shop				187,200	8,424,000
6	Workshop				38,525	770,500
7	Machine shop/workshop				46,550	1,330,910
8	Machine shop/workshop					
9	Workshop					1,901,217
10	Machine shop/workshop				42,120	900,720
11	Final assembly/subassembly bldg				622,745	16,496,750
12	Warehouses (2)				63,500	1,079,500
					50,800	863,600
13	Machine shop/workshop				170,775	8,917,425
14	Foundry					
15	Machine shop/workshop					4,533,830
16	Boilerhouse				24,325	1,313,550
17	Foundry/machine shop				36,350	987,850
18	Machine shop/workshop				68,000	2,924,000
19	Admin bldg				83,600	1,024,100
20	Admin bldg				124,000	1,339,200
21	Admin bldg				54,470	643,630
22	Machine shop/workshop					937,020
23	Machine shop/workshop				97,940	2,448,500
24	Machine shop/workshop				41,790	1,549,410
25	Machine shop				72,800	3,640,000
26	Prob checkout facility/hangar	62,665	2,945,255			
Total floorspace & cubic feet of numbered bldgs						
Total floorspace & cubic feet of other bldgs						
Total floorspace & cubic feet of plant					2,959,655	

NOTE--With the exception of those dimensions marked with an asterisk (*), all measurements were calculated by NPIC/TID; horizontal measurements are accurate to within ± 10 ft or 3%, whichever is greater, and vertical measurements are accurate to within ± 10 ft. Measurements were derived from

*Dimension calculated by CIA/IAD project analyst.

TOP SECRET

CIA/PIR-75040

25X1

25X1

25X1 floorspace to a total of approximately 1,918,825 square feet.

25X1 [] construction was under way on a subassembly building/machine shop (item 5) and on a machine shop/workshop (item 15); these 2 buildings had been completed by []

25X1 [] 1/ At that time, another subassembly building/machine shop (item 3) and another machine shop/workshop (item 8) were in the early stages of construction; item 8 was completed prior

25X1 [] 1/ and item 3 and the adjacent boilerhouse (item 2) were complete []

25X1 The expansion of a workshop (item 4) and construction activity for a machine shop (item 25) were observed [] 1, 2/ both these structures were completed prior []

25X1 New construction activity between [] [] included: an extension of item 8 to connect it with an older workshop (item 9), a probable transshipment building east of item 13 and adjacent to the rail line, and 3 small additions to the final assembly/subassembly building (item 11), 2 of which were complete and the

25X1 third still under construction in []

25X1 Flyaway facilities for Plant No 21 were re-located between []

[] the facilities consisted of an improved natural-surface field immediately adjacent to the plant area. [] a new flyaway field (Gorkiy/Sormov Airfield) was constructed approximately 1 nm west of the plant; the runway is approximately 6,605 feet long and 230 feet wide with 1,519,150 square feet of concrete surface (Figure 4). A taxiway with a surface area of approximately 266,000 square feet connects the plant and the airfield, and 4 crossover taxiways connect the runway to a parallel taxiway. The crossovers have a combined concrete surface of approximately 138,000 square feet. A probable checkout facility/hangar (item 26) is located at the east end of the flyaway field. Parking aprons at the field [] of concrete surface adjoining the south side of item 26, [] of improved surface at the east end of the runway, and 75,075 square feet of concrete and probable asphalt surface at the west end of the parallel taxiway.

[] the following aircraft were observed at the airfield: 33 FISHBED, 3 FARMER, 1 FAGOT, 2 CAB, and 3 CREEK, and 4 FISHBED were observed within the plant area.

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET

25X1

25X1

REFERENCES

25X1

MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0154-25HL, 3d ed, May 63, scale 1:200,000 (SECRET)

25X1

DOCUMENTS

1. CIA. PIR-29/64, [REDACTED] Gorkiy Airframe Plant Ordzhonikidze No 21, Gorkiy, USSR, Oct 64 (TOP SECRET)
2. NPIC. R-50/64, Gorkiy Airframe Plant Ordzhonikidze 21, Gorkiy, USSR, Jan 64 (TOP SECRET)

25X1

25X1

REQUIREMENT

CIA. C-RR6-83,650

PROJECT

31260/66 (partial answer)

25X1

TOP SECRET

TOP SECRET